



# Pocono Mountain School District

Office of Curriculum and Instruction

PO Box 200 · Swiftwater, PA 18730 · 570-839-7121

## Advanced Placement Calculus AB/BC Summer Assignment

Dear AP Calculus Student:

Congratulations on your enrollment in the Advanced Placement (AP) Calculus course. The AP Calculus AB course is structured around three big ideas which include limits, derivatives, and integrals and the Fundamental Theorem of Calculus. AP Calculus BC explores these ideas in additional contexts and includes the study of series. AP Calculus AB is typically the equivalent to one college semester of Calculus while AP Calculus BC is usually equivalent to the first two semesters of College Calculus. Pre-requisite concepts and skills from all prior math courses are crucial for understanding Calculus.

Enrolled students are expected to take the Advanced Placement (AP) examination in May. The AP Calculus AB/BC Exam includes a 1 hour and 45 minute multiple-choice section that accounts for half of the exam and a 1 hour and 30 minute free-response section made up of two sections that accounts for the other half of the exam grade. The tests are scored by the College Board and ETS with final scores available to download in early July. Scores range from 1 to 5, with 3 or better considered as “passing”, and therefore eligible to receive college credit in many universities and colleges.

AP Calculus AB and AP Calculus BC are designed to be taught at the college level. Consequently, some students may initially find the pace and workload difficult. To prepare for this transition, class expectations will be provided to students at the beginning of the school year.

There is a mandatory summer assignment required for all students enrolled in AP Calculus AB or AP Calculus BC. This will be a paper and pencil assignment. The required summer packet can also be found on the PMSD website at: <https://www.pmsd.org/Page/1848>. The assignment window will close on Friday, September 20, 2019.

If you need to review information on any topics in the assignment, access [www.khanacademy.org](http://www.khanacademy.org) where you can view the videos for the topics contained within this assignment. Also, you may access your SpringBoard Precalculus textbook online, using your username and password from this past school year. From your home screen, click on My Bookshelf to access the book. In addition, you may email Mr. Waide from WHS at [twaide@pmsd.org](mailto:twaide@pmsd.org) or Ms. Johnson from EHS at [jjohnson@pmsd.org](mailto:jjohnson@pmsd.org) over the summer with questions or issues regarding the assignment. Please allow them a few days to respond, as they may not be checking their email every day.

This summer assignment will be worth 10% of your first marking period grade and is due by Friday, September 20, 2019.

Sincerely,

Mrs. Amy Swingle  
Director of Curriculum, Instruction and Federal Programs  
Pocono Mountain School District